PROGRAMMER/ANALYST
Brain Imaging Center

The Smith-Kettlewell Eye Research Institute, located in San Francisco, is seeking a Programmer/Analyst.

The Programmer/Analyst is responsible for the preprocessing and data analysis of various modalities of brain imaging data including, but not limited to, MRI, EEG, ERG, psychophysics, and oculomotor. Analysis routines may incorporate various 3rd-party software suites, and/or writing, modifying or implementing novel algorithms involving advanced mathematical techniques. Stimulus software may interface with various forms of external hardware to deliver multi-sensory stimulation as well as to record physiological and behavioral responses. The programmer/analyst plays a role in experimental designs as well the choice of analysis methods, collaborating with principal investigators (PIs) on how to best achieve their scientific aims. This position interacts with many independent PIs within Smith-Kettlewell, and reports to the director of the Brain Imaging Center.

Qualifications & Experience - The qualified candidate should have strong skills and background in the following areas:

- A bachelor's or master's degree in computer science, neuroscience, physics, engineering, or a related field.
- Expert knowledge of Matlab.
- Working knowledge of Windows, Mac, and Linux operating systems, and the ability to write shell scripts on any of these platforms.
- Familiarity with MRI, and fMRI analyses, and some commonly used MRI software packages, e.g., FSL, and Freesurfer.
- Strong math skills in matrix operations, geometry, calculus, frequency domain transforms, and component analyses.
- Familiarity with numerical optimization methods.

This position is full time (40 hours per week), exempt, and eligible for full benefits. Our generous benefits package includes medical, dental, vision, life insurance, flexible spending accounts, commuter and pension plan. The schedule for this position is flexible and will be discussed during the interview process.

Please send a statement of interest and CV to jobs@ski.org. In the subject line, please put **Programmer/Analyst.**

The Smith-Kettlewell Eye Research Institute is an Equal Opportunity Employer. We comply with applicable laws ensuring equal employment opportunities to qualified individuals including applicants with a criminal history pursuant to the San Francisco Fair Chance Ordinance.